

Coordinated Pollution Prevention Web Site

The Small Business Clean Air Assistance Program (SBCAAP) in the Department of Commerce is just one of a number of environmental assistance providers in Wisconsin. Among many others that the SBCAAP works closely with are: the Department of Natural Resources (DNR) Bureau of Cooperative Environmental Assistance (CEA), and the University of Wisconsin Extension Solid and Hazardous Waste Education Center (SHWEC).

All of these assistance programs encourage ***pollution prevention***. Pollution prevention is the concept that an industry can change the way it performs a certain process to prevent or reduce pollution created by that process. It is an alternative to the usual "end-of-the-pipe" control methods. Most industries find that

when pollution prevention techniques or operating practices are adopted, they can save money by improving the efficiency of their operations.

Now, instead of searching three different agencies web sites you can go to one web address and find all the resources provided by these programs.

<http://wip2.uwex.edu/>

Soon to be added to this site is pollution prevention information on farm pollution through the Department of Agriculture, Trade and Consumer Protection (DATCP). With that addition, this web site will truly become the Wisconsin Pollution Prevention (P2) Partnership site.

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New From the Small Business Clean Air Assistance Program...

✓ **Small Business Publication Order Form** - changed organization of pubs by categories or business sectors.

✓ **Air Permit Exemption for Autobody Refinishers** - describes exemption from construction or operation permits for autobody repair shops.

To order:
call (608) 264-6153
or (608) 267-9214;
fax (608) 267-0436;
or email CleanAir@commerce.state.wi.us

An Easier Web Address to Remember!

The SBCAAP had its web pages available since spring of this year. Now we have simplified our web address for your convenience.

<http://www.wienvirohelp.com>

This new web address takes you to our main page. From there you can maneuver through our pages by

clicking on the topics from the menu on the left side of the page.

Our publications page, which lists all our fact

sheets and other compliance assistance documents, has been reorganized to better meet your needs. ❖

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Ask the Expert! A Ron Joseph Training Course: Maintaining Compliance at Painting & Coating Operations

Are you certain your paints and coatings facility complies with air pollution control regulations?

Learn from a nationally known expert through a three-and-a-half day program on this subject.

From January 15-18, 2002, join us at Great Wolf Conference Center, Wisconsin Dells, where Ron Joseph, a paint and coating consultant specializing in environmental issues, will be running the training program titled "Keeping a Paints & Coatings Facility in Compliance with Air Pollution Control Regulations." This class is for people who have environmental responsibilities in their jobs, including duties with painting & coating operations. It is not necessary to have prior experience in this field to take the course.

Who Should Attend

The course will benefit those involved in various aspects of the painting, coating or printing industry: environmental engineers and consultants; vendors/suppliers who work with material formulations; EPA and state engineers and inspectors; sales people; equipment vendors; and plant managers or engineers who must ensure their facility complies with air pollution regulations.

What You Will Learn

Participants will learn everything from what makes up paints and coatings and how such components affect air pollution and hazardous waste, to compliant coatings currently available. They will learn how to interpret MSDS or technical data sheets and how these values are derived, as well as how to perform more than 20 different types of calculations used to demonstrate compliance or establish permit conditions. Common coating application methods, record keeping, what inspectors look for when auditing a painting facility, and what happens when a violation is detected will also be discussed.

The agenda includes requirements of the General MACT Standard (NESHAP), and will specifically cover the latest available information on the

Miscellaneous Metal Parts and Products and Plastic Parts MACT Standards. Calculations will be geared to these standards.

One-on-One Consulting

Ron Joseph offers one-on-one consulting with class participants at no extra cost. Participants are encouraged to bring their shop problems to the class.

About the Instructor

Ron Joseph is the Principal of Ron Joseph & Associates, Inc., a coating and environmental consulting firm founded in 1984, in San Jose, California. A Certified Manufacturing Engineer, AFP/SME, Joseph speaks frequently at international conferences; develops and hosts training programs for numerous companies, especially the military; is the Coatings Editor for

Metal Finishing Magazine, and is the editor of an engineering manual "The Organic Coatings Guidebook & Directory." Joseph is often retained by law firms as an expert witness on environmental issues, specifically air quality (VOC) compliance.

How to Register

You can register for this course on-line, by fax or mail and VISA and Master Card are accepted. Contact Ron Joseph at:

Ron Joseph & Associates, Inc.
7246 Sharon Drive, Suite 0
San Jose, CA 94129
Phone: (408) 446-9736
Fax: (408) 446-9731
E-mail: DrRojo@aol.com
URL: www.ronjoseph.com/wisconsin.htm

When: January 15-18, 2002
Where: Great Wolf Conference Center, Wisconsin Dells

**For More Details on
the Agenda, Accommodations
and Course Registration, Go To:**

www.ronjoseph.com/wisconsin.htm

Coordinated Pollution Prevention Web Site

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What Does This Site Offer?

You will find the following topics on this site:

- ✓ News
- ✓ Services
- ✓ Publications
- ✓ Contacts
- ✓ Compliance Assistance
- ✓ Events Calendar
- ✓ FAQ - Frequently Asked Questions.

If you click on the **Help** option in the menu on the left side of the page, it directs you to another page that describes above mentioned topics and the different ways to organize a search for specific information.

Refine Your Search

Any search can be organized by the **audience**: businesses, municipalities, citizens, etc. The search can be refined even more by the **focus area**: air pollution, hazardous waste, or specific pollutants like mercury or PCBs. The third way to focus a search is to specify a **business sector or industrial process**: boilers, paint booths, or a particular industry such as foundries.

Another way to focus a search is by the specific agency or **organization** that specializes in a certain area of expertise. If you have an air pollution related question, you can narrow your search by selecting

just the information provided by the SBCAAP since it will be most likely to have a product with an air pollution focus. If you have a question about how to reduce mercury emissions from either a dentist office or hospital, you could select either SHWEC or DNR as they both have programs in that area while SBCAAP does not.

Other Resources

There are additional programs throughout Wisconsin and the nation that have environmental assistance products or programs available. In an effort to prevent duplication of their work, the Wisconsin P2 Partnership site provides links to any other known programs.

The Wisconsin P2 Partnership provides help to Wisconsin businesses and citizens to use pollution prevention and waste reduction to achieve and exceed compliance with environmental regulations.

If you know of other programs that would be useful to list on the site, please contact the web designers through the **Contact Us** link in the menu on the left side of the page. Input provided is routed to all the partnering agencies for review and possible inclusion in the web site.

Feel free to contact SBCAAP with questions on this web site. ❖

Small Business Electronic Assistance

Environmental Links

EPA's *Office of Conflict Prevention and Resolution Center* uses alternate dispute resolution techniques to resolve conflicts between EPA and external or internal parties. This is a resource for state agencies, industry and environmental advocacy groups to use when in conflict with EPA decisions or activities:

www.epa.gov/adr/index.html

If you are interested in EPA's Audit Policy for Small Businesses you can start your search at:

www.epa.gov/oeca/ore/apolguid.html

For assistance on improving risk management practices, contact the Public Entity Risk Institute:

www.riskinstitute.org/

A business that wants to be **green** can find tips and ideas in this toolbox:

www.greenbiz.com/toolbox/index.cfm

Other Business Links

The *US Small Business Administration* has a new Ombudsman's Office which has set up a new web site that includes legal information for small businesses, regulatory issues, and more:

www.business.gov/buslaw

The *Occupational Safety and Health Administration (OSHA)* has a large amount of information available. Here are some key spots:

✓ for a tool to assess your safety and health program's effectiveness:

www.osha-slc.gov/doc/outreachtraining/htmlfiles/evaltool.html

✓ to view violations at similar companies:

www.osha.gov/oshstats

✓ for new businesses:

www.osha-slc.gov/OshDoc/Fact_data/FSNO98-40.html

2002 Dry Cleaner Compliance Calendar

The Dry Cleaner Compliance Calendar puts all the required weekly and monthly record keeping elements together for air pollution regulations for any dry cleaner using perchloroethylene solvents in their machines. By keeping a calendar near each machine, the owner or operator of a dry cleaner can keep up with all the requirements for records on their operation.

There may be additional requirements not related to the weekly or monthly records. To assist the owner or operator in keeping track of those we have added a fact sheet on all the air pollution and hazardous waste requirements for dry cleaners to the new calendar.

The SBCAAP will begin mailing out the 2002 Calendars to those on our list in early December. If you did not receive your 2000-2001 calendar through our original mailing or just want to be sure you are on our mailing list, please contact us via one of the channels shown on the back page of this newsletter.

As you use the calendar this year, please let us know if there are any improvements you would like to see included in the following year's calendar. We are glad to assist you in any way that will make complying with the air pollution regulations easier. ♦

Council's Corner...

Recycling Education Funding

The recent state budget removed all funding for recycling programs. The recycling program money funded a free educational program to communities and businesses. The University of Wisconsin Extension, Solid and Hazardous Waste Education Center (SHWEC) provided this free service.

SHWEC experts helped many communities and businesses save money and avoid regulatory headaches, while making the operations run more smoothly and efficiently. For most Wisconsin businesses, this was the only direct benefit they received from paying the business tax on recycling. SHWEC assistance helped make Wisconsin a national leader in business and community recycling. SHWEC also provided the recycling markets data base, a periodic newsletter and on-site technical assessments. They can no longer help businesses and communities that need their assistance, even though the demand for these services remains high.

What can you do?

Contact your legislators or the governor re-requesting the recycling programs be re-funded. The tipping fee enacted by the legislature provides plenty of money to support these assistance activities in addition to funding other purposes. By vetoing recycling education, no money was saved. Only these education programs were cut. It appears everyone loses on this one.

Sincerely,



Carl T. Komassa, Chair
Small Business Environmental Council

A Visit from The Council

The Small Business Environmental Council is charged with a number of activities: review and comment on how the DNR disseminates information to small businesses; review the information to make sure it is understandable to laypersons; review new air regulations to ensure they meet the paperwork reduction act; and bring to the attention of DNR any difficulties encountered by small businesses trying to comply with the air regulations.

The council is interested in combining their task of learning about difficulties encountered by small businesses attempting to comply with air regulations with the regular council meetings held every two months. The council finds site tours very helpful in learning about different industries.

To schedule a visit from the Council for their input or assistance, contact the SBCAAP staff at 608/264-6153 or CleanAir@commerce.state.wi.us.

If you represent a small business or know of one that has had some difficulty with a DNR requirement and would like to present the situation to the council for their input or assistance, please contact us.

The next council meeting will be held in early January. Please contact SBCAAP staff **as soon as possible** to have your site included in the planning for the spring or summer meetings. Council meetings are usually on Thursdays from 10:00 a.m. until 2:00 p.m. ❖

A Small Business In Wisconsin Wins an Energy Star[™] Award

Schmidt Veterinary Clinic Wins The Energy Star Award

The EPA has an Energy Star Award program in which they recognize businesses and community groups for energy efficiency achievements. EPA's Region 5 (states of IL, IN, MI, MN, OH and WI) had one winner this year: the Schmidt Veterinary Clinic. To review the full list of award winners go to www.epa.gov/smallbiz.

The Schmidt Veterinary Clinic was a dream that turned into reality when Jennifer Schmidt, D.V.M. and her husband, Greg Daniels, purchased a defunct art gallery in Cedarburg, Wisconsin. Plans were made immediately to renovate and improve the efficiency of the building. Daniels acted as the general contractor and designed the energy improvements that were made to the building. The entire first floor of the two-story building had to be renovated; therefore, energy efficient options could easily be incorporated into the new design of the building. Additional interior walls were built, allowing for updated wiring and energy efficient lighting fixtures. The following improvements were made to the building:

1. Incandescent exit light was replaced with an LED exit light.
2. Standard halogen lamps were replaced with compact fluorescent lights.
3. Standard flood can lamps were replaced with compact fluorescent lamps.
4. Inefficient T-12's with magnetic ballasts were replaced with high-efficiency T-8's with electronic ballasts.
5. Outside mercury vapor lamps were replaced with high-efficiency, high-pressure sodium lamps that are photocell controlled.
6. An inefficient electric water heater was replaced with a high-efficiency sealed combustion unit.

7. A standard thermostat was replaced with a new programmable thermostat.
8. New ventilation was added and air sealing was done to better control make-up air.
9. Energy efficient aerators, showerheads, and toilet banks were added.
10. Pipe insulation was added to hot water pipes.

From January 2000 to January 2001, the building operated at about 0.5 therms per square foot per year - down from about 0.9 therms per square foot per year - providing an equivalent reduction in the electric bill. All of the improvements were completed without sacrificing comfort or light levels. In fact, most of the workstation light levels have actually increased while decreasing energy consumption. Another great benefit to increasing the efficiency of the lighting is the added bonus of rarely needing to replace incandescent lights.

The money saved on utility bills was allocated to exterior renovations. Exterior insulation and a reduction in air infiltration were needed. The building was completely re-sided and insulation and a vapor barrier were added. The roof was replaced and the old brick chimney was torn down. When the roof was replaced, bypasses were sealed off and insulation was increased to achieve an R-Value of 50. With the exterior improvements completed, they are expecting to further reduce the heating and cooling costs by 5-8%.

Overall, the Daniels are very satisfied with the operation of the efficiency improvements made to the building. They would recommend to anyone interested in making improvements to an existing building to consult an energy efficiency consultant. To locate an energy-efficiency consulting firm, call your utility provider directly or WI Focus On Energy at: www.wifocusonenergy.com or 414-908-4044. ❖



Hot Topics in DNR's Air Program

Check them out at: www.dnr.state.wi.us/org/aw/air/hot/index

A New Initial Screening Tool Proposed for Revised Hazardous Air Pollution Rule to Help Smaller Sources of Emissions

Background

The DNR's Air Program has been working on the proposal for their revised hazardous air pollutant rule (chapter NR 445 in Wisconsin Administrative Code) for over two years. As DNR works through the process with the help of the NR 445 Technical Advisory Group, they continue to build in measures to try and streamline the process for businesses.

A new concept is expected to help smaller businesses by using simple methods to find out if a particular business has any hazardous emissions of concern. While it will not determine if a business is in compliance with the rule, the process should give the business a "safe harbor" and be able say it is not likely to be a source of hazardous air pollutant emissions that are in quantities of concern.

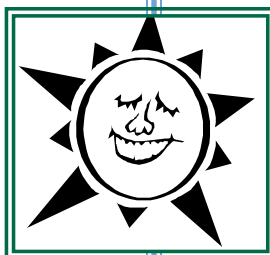
New Screening Process

The new "initial screening" process provides simple triggers that may allow a business to avoid the complex rule determination process. Part of the rule determination process requires a review of all chemicals used or emitted by the business to see if they are included in the rule. About 438 chemicals are regulated under the existing NR 445. The revision of NR 445 may add about 150.

The first step in the screening process eliminates businesses with SICs outside of the usual sources of concern. For example, most retail businesses will not be affected by these rules, so large groupings of the retail SICs will be excluded from the list of SICs that must continue with the second screen.

The second screen is for businesses that are more likely to be sources of concern, such as manufacturers. This screen eliminates those businesses with relatively small annual emissions. It looks at

whether a business has actual emissions of more than one (1) ton per year of either total volatile organic compounds or total particulate matter emissions. Facilities with emissions over one ton will be examined more closely through the regular NR 445 process.



The third screen represents a final check for "factors of concern". This screen asks whether your business has processes or activities known to emit chemicals of concern. These processes/activities may include waste incinerators, chrome electroplaters and diesel generators. If not, it then asks if you use any chemicals on a "short list" of chemicals of concern. This list will include chemicals with very high toxicity in small amounts. Finally, it asks if you are located where even very small emissions of a pollutant may cause a public health concern. These locations may include areas near sensitive sections of the population, like schools, day care centers, hospitals or elderly housing.

Businesses passing through the first or second screen and finding they have a "factor of concern" will need to look more closely at that particular concern to determine whether or not further action is required. The rule will identify what needs to be done in this case.

If at any time, a complaint or inspection shows that a facility's emissions exceed the NR 445 standards, DNR may then require a full evaluation of whether they are affected by the hazardous air pollutant requirements. This is necessary to ensure public health is protected.

If you would like to find out whether this "initial screening" tool might help you avoid the NR 445 requirements or provide your opinion on the concept, please contact SBCAAP staff. This screening tool is still being developed, so this is a good time to voice any concerns, ideas or comments. ❖

Annual Air Issues Updates Schedule for 2002

As they have each year, the Federation of Environmental Technologists (FET) Milwaukee Chapter, Air Committee; the Wisconsin Department of Commerce, Small Business Clean Air Assistance Program; and the Department of Natural Resources, Air and Hazardous Waste Programs are once again sponsoring the Air Issues Update programs in January 2002.

The following topics are scheduled to be on the agenda for these sessions:

- **Air Pollution Basics**
- **Consolidated Reporting System**
- **Fine Particulate Monitoring System**
- **Web Resources for Assistance**
- **Technology Improvements for Air Compliance Program**

- **Regulatory Updates: State Hazardous Air Pollutant Rule, Ozone Attainment Status, Open Burning, Green Tier, and others.**

Each session is scheduled from 8:00 am through 3:45 pm, with one hour for lunch. Registration will take place from 7:30 - 8:00 am. The dates and locations for the 2002 training are as follows:

January 23 in Appleton
January 24 in Milwaukee
January 29 in Madison
January 30 in Wausau
January 31 in Eau Claire

The one-day course will cost \$75 for each registrant. To register, contact FET at fet@hnet.net or 262/644-0070. ❖

WISCONSIN DEPARTMENT OF COMMERCE

The Small Business Clean Air Advisor is published by the Wisconsin Department of Commerce, Brenda J. Blanchard, Secretary. To obtain free copies or to be placed on the mailing list, contact:

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